

Experiment Number: R92025B
Test Type: RACB
Route: Dosing in Feed
Species/Strain: Rat/Sprague-Dawley

R21: Cross Generational Summary of Reproductive Performance

Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 05/15/2018
Time Report Requested: 10:40:24
Lab: RTI

C Number:	R92025B
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both

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	F0				F1		
	Treatment Groups (ppm)				Treatment Groups (ppm)		
	0	750	2500	5000	0	750	2500
Females Mated^a/Paired							
A Litter	23/23 (100.0)	22/23 (95.7)	21/22 (95.5)	9/23 (39.1)	36/40 (90.0)	40/44 (90.9)	35/40 (87.5)
B Litter	22/23 (95.7)	23/23 (100.0)	19/20 (95.0)	12/21 (57.1)	37/39 (94.9)	41/41 (100.0)	35/36 (97.2)
C Litter	21/22 (95.5)	23/23 (100.0)	20/20 (100.0)		36/39 (92.3)	41/41 (100.0)	34/35 (97.1)
Average	97.0	98.6	96.8	48.1	92.4	97.0	94.0
Females Littered/Paired							
A Litter	22/23 (95.7)	22/23 (95.7)	17/21 (81.0)	6/22 (27.3)	33/40 (82.5)	34/44 (77.3)	31/38 (81.6)
B Litter	19/23 (82.6)	23/23 (100.0)	17/20 (85.0)	6/16 (37.5)	34/39 (87.2)	37/41 (90.2)	29/35 (82.9)
C Litter	19/22 (86.4)	22/23 (95.7)	16/19 (84.2)		28/37 (75.7)	35/41 (85.4)	23/32 (71.9)
Average	88.2	97.1	83.4	32.4	81.8	84.3	78.8
Females Littered/Mated^a							
A Litter	22/23 (95.7)	22/22 (100.0)	17/20 (85.0)	6/8 (75.0)	33/36 (91.7)	34/40 (85.0)	31/33 (93.9)
B Litter	19/22 (86.4)	23/23 (100.0)	17/19 (89.5)	6/8 (75.0)	34/37 (91.9)	37/41 (90.2)	29/34 (85.3)
C Litter	19/21 (90.5)	22/23 (95.7)	16/19 (84.2)		28/35 (80.0)	35/41 (85.4)	23/32 (71.9)
Average	90.8	98.6	86.2	75.0	87.9	86.9	83.7

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LEGEND

All litter data are shown as a Count (percentage)

All averages shown as a percentage only

^aFemales with evidence of mating, i.e. sperm positive, copulation plug positive or pregnant

Animals removed from study between mating and littering excluded from calculations of percent littered females

Pairwise tests were performed using the Rao-Scott Cochran-Armitage test.

**** END OF REPORT ****